

ABSTRACT OF DISCLOSURE

A high-availability data distribution system of the invention for parallel data transmission on demand comprises a data transmission server, which constantly transmits multiple streams of information to a router or switch, which provides a support for multicast groups, so that at any time any client can subscribe to a particular multicast group for receiving the data. In such a system, the data is received without individual client-server sessions directly from at least two routers, one of which is located on the server's side, and another on the client's side. The system is applicable for distribution of static content such as web content, data base content, raw data files, etc., as well as of dynamic data content, such as weather forecast, stock-exchange data, etc.